

A DC-connected transistor amplifier

S/194/62/000/007/146/160
D413/D308

or phase-inverter. [Abstracter's note: Complete translation.]

Card 2/2

89314

Z/039/61/022/002/005/008
E192/E382

9.2520 (also 1139, 1150, 1154)

AUTHOR: Staněk, Milan, Engineer

TITLE: A Transistor Phase Splitter

PERIODICAL: Slaboproudý obzor, 1961, Vol. 22, No. 2, pp. 86 - 89

TEXT: The system considered is illustrated in Fig. 1. It is seen that the emitter of the circuit contains a resistor R_e while the collector has a load R_k . A source having a voltage u_g and internal resistance R_g is applied to the base of the transistor. It is assumed that the system is operating at low frequencies and can be represented by an equivalent T-type circuit. The current-voltage equations of the system are in the form:

$$u_g = [- (R_g + r_b + R_e + r_e)] \cdot i_e + [- (R_g + r_b)] \cdot i_k, \quad (6)$$

$$0 = [R_e + r_e - r_m] \cdot i_e + [- (R_k + r_k)] \cdot i_k$$

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Z/039/61/022/002/005/008
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A Transistor

From these equations, it is possible to determine the collector and emitter current and, consequently, the voltages across R_e and R_k . The ratio of these voltages is expressed by:

$$\frac{u_e}{u_k} = \frac{\Delta_e \cdot R_e}{\Delta_k \cdot R_k} = \frac{R_e}{R_k} \cdot \frac{R_k + r_k}{R_e + r_e - r_m} \quad (14)$$

or, approximately, by:

$$\frac{u_e}{u_k} \approx - \frac{R_e}{R_k} \cdot \alpha \quad (15) .$$

From these it is seen that in order to obtain symmetrical output voltages it is necessary for R_e to be approximately

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89311

Z/038/61/022/002/005/008
E192/E382

A Transistor

equal to R_k . The expressions for the output resistances of the emitter and collector circuits are determined. Also, an expression for the input resistance is found. It is shown that the input resistance is approximately given by:

$$R_{vst} \approx r_b + (R_e + r_e) \cdot \frac{1}{1 - \alpha} \quad (33)$$

An example of a practical use of a phase splitter is shown in Fig. 4 where the device is employed to drive a push-pull amplifier stage. A similar push-pull circuit operating in Class E is also given. A circuit based on complementary transistors is also shown. There are 6 figures and 5 references: 1 Czech and 4 non-Czech.

ASSOCIATION: Tesla Pardubice, n.p., - VVZ Opočíněk
(State Establishment, Tesla Pardubice -
VVZ Opočíněk)

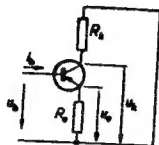
SUBMITTED: September 5, 1960

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893114

A Transistor

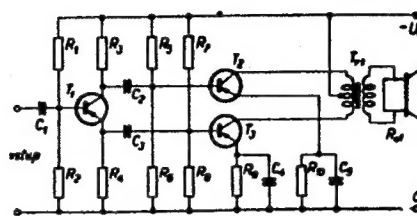
Fig. 1:



Obr. 1. Schéma zesilovače se zátěží v obvodu kolektoru a emitoru.

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Fig. 4:



Obr. 4. Dvojčinný zesilovač s budícím stupněm.

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STANEK, Milan

The work of a transistorized analogue operation stage. Slaboproudy
obzor 22 no.3:159-162 Mr '61. (EEAI 10:6)

1. Tesla, narodni podnik, Pradubice, Vyzkumny a vyvojovy zavod
Opocinek

(Electronic analogue computers) (Transistors)

STANEK, Milan, ins.

Transistor amplifiers with the band width 750 MHz. Slaboproudy obsor
22 no.12:771 B '61.

(Amplifiers) (Electronics)

STANEK, Milan, inz.

An ultra-low distortion power amplifier. Slaboproudy obzor 23
no.7:421 JI '62.

STANEK, Milan, inz.

"Automation and calculation technique; a collection of papers."
Reviewed by Milan Stanek. Automatizace:Suppl.:Technicka literatura
6 no.6: n.p. Je '63.

STANEX, Milan, inz.

Transistor oscillator for very high frequency. Slaboproudy obzor
24 no.1:44-45 Ja '63.

STANEK, Milan, inz.

The Second Conference on Non-linear Oscillations. Slaboproudy
obzor 24 no.1:57 Ja '63.

STANEK, Milan, inz.

The transistor as a low-frequency and high-frequency nonlinear element. Slaboproudý obzor 24 no.2:116 F '63.

STANEK, Milan, inz.

A seminar on the measurement of semiconductor parts. Slaboproudý
obzor 24 no.3:185-186 Mr '63.

STANEK, Milan, inz.

Circuits for analogue computers. Slaboproudy obzor 23 no.11:
656 N '62.

STANEK, Milan, inz.

Precision one-shot vibrator. Slaboprudy obzor 24 no.4:
240-241 Ap '63.

STANEK, Milan, inz.

"Semiconductor devices and applications" by R.A. Greiner.
Reviewed by Milan Stanek. Slaboproudý obzor: Suppl.: Literatura
24 no.5:L37,L39 '63.

STANEK, Milan, inz.

Semiconducting elements of the Italian Ducati factory. Slaboproudny
obzor 24 no.6:376 Je '63.

STANEK, Milan, inz.

"Transistors and semiconductor diodes" by I.F.Nikolajevskij
[Nikolayevskiy, I.F.] Reviewed by Milan Stanek. Slaboproudy
obzor 24 no.11: Supplement:Literatura 24 no.11: 185 187 N'63

STANEK, M.

Multivibrator frequency stability. Automatizace 7 no. 3:
79-80 Mr '64.

STANEK, Milan

Transistor for fast switching of heavy current. Automatizace
7 no.5:137 My'64.

KOSEK, Frantisek; CIMPL, Zdenek; STANEK, Milan; KLAZAR, Jan

Coloristor, a new operation indicator. Sdel tech 12 no.5:
176-177 My '64.

Model 8111

Low frequency amplifier with automatic amplification control.
Microphone input 25 no. 74432-433 51 Vol.

STANEK, M.

Transistors with retention field. Slaboproudý obzor 25 no.8:494-495
Ag '64.

L 21165-66

SOURCE CODE: CZ/0080/65/000/004/0100/0101

ACC NR: AP6010962

AUTHOR: Krizan, B. (Engineer); Kotva, M. (Engineer); Sedmidubsky, Z. (Engineer);
Stanek, M. (Engineer)

39
B

ORG: none

TITLE: Characteristics of the AP-S and MEDA 20TS differential analyzers

SOURCE: Automatizace, no. 4, 1965, 100-101

TOPIC TAGS: digital differential analyzer, electronic component, computer programming

ABSTRACT: The components of these two differential analyzers are listed in a comparative type of table. The parameters of the components are given, and the applications, method of programming, general parameters and present status of installation in Czechoslovakia are given for the analyzers. Orig. art. has: 2 tables.
[JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 1/1 BK

L 21591-66
ACC NR: AP6010933

SOURCE CODE: CZ/0014/65/000/010/0379/0381

AUTHOR: Stanek, Milan; Willmann, Jiri

ORG: none

TITLE: Frequency dependence of feedback amplifiers

SOURCE: Sdelovaci technika, no. 10, 1965, 379-381

TOPIC TAGS: feedback amplifier, LF amplifier, electric capacitor, resistor

ABSTRACT: The article presents some possibilities of adjusting the frequency characteristic of a low-frequency amplifier by means of a feedback circuit formed by a combination of a resistor and a capacitor in series. Orig. art. has: 3 figures and 1 table. [JPRS]

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 001

Card 1/1 ULR

L 33140-66

ACC NR: AP6024181

SOURCE CODE: CZ/0080/65/000/011/0296/0297

AUTHOR: Vebr, Milon (Engineer); Stanek, Milan (Engineer)

ORG: TESLA Pardubice, n.p.

TITLE: Installation for magnetic tape recording of slowly changing signals

SOURCE: Automatizace, no. 11, 1965, 296-297

TOPIC TAGS: tape recorder, analog computer, signal recording, magnetic tape

ABSTRACT: The article presents a block diagram and discussion of apparatus for the magnetic tape recording of slowly changing signals. The system has worked well when connected with an analog computer, and also in the calculation of correlation functions, the modelling of transport delays, etc. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 14, 09 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 001
OTH REF: 002

L5

Card 1/1

UDC: 62-55: 534.85

09/5 1771

PALATY, Jiri; STANEK, Miloslav

Chlorination of cyanide effluents by injection into chlorinator. Sbor
pal vod VSChT no.3, part 1:115-127 '59.

1. Katedra technologie vody Vysoke skoly chemicko-technologicke, Praha.

STANEK, Miloslav

- Germination of the chlamydospores of the fungus *Ustilago zeae* (Beckm.) Unger in the rhizosphere of maize.
Rost vyroba 9 no. 7/8:721-725 JI-Ag '63.

1. Mikrobiologický ústav, Československá akademie věd, oddělení
půdní mikrobiologie, Praha.

DRAHY, Josef, inz.; STANEK, Miroslav, inz.

Steam turbines in the power engineering of Great Britain. Energetika
Cz 11 no.6:280-283 Je '61.

STANEK, Miroslav, inz.; TEYSSLER, Jiri, inz., dr.; FISCHER, Jiri, inz.;
SPITALNIK, inz.; STEKL, inz.; NAVRATIL, Miroslav, inz., dr.;
IBLER, Jaroslav, inz., dr.; KARAS, Frantisek, prof., inz., dr., ScDr.;
CESKA, inz.; HOFFMANN, V., inz.; CHALUPSKY, Josef, inz.;
FAPSO, O., inz.; ROCEK, Jaroslav, inz., ScC.; SVEJDA, J., inz.;
LENCZ, Imrich, inz.; RAJDA, Frantisek; BALOS, Jaroslav, inz.;
MACHA, Jiri, inz.

Third National Conference on the Results of Research and
Development of Power Installations. Energetika Cz:Suppl.:
Energetika 13 no.6:1-24 '63.

L 2-219-66 NMF(j)/" RM
ACC NR: AP6010345

SOURCE CODE: CZ/0032/65/015/007/0543/0544

AUTHOR: Gimpl, Z.; Kosek, F.; Stanek, M.; Klazar, J.

ORG: Institute of Chemical Engineering, Pardubice (Vysoka skola chemickotechnologiccka)

TITLE: Thermocolors

SOURCE: Strojirenstvi, v. 15, no. 7, 1965, 543-544

TOPIC TAGS: pigment, paint, color, temperature dependence

ABSTRACT: ⁴⁴⁵ The article outlines the areas of application of the so-called thermocolors -- paints and pigments which change their color, mainly irreversibly, at a certain temperature. A table of thermocolors is given for measuring temperatures from 35 to 500°C. This paper was presented by J. Lombardini, Engineer. Orig. art. has: 1 figure and 3 tables. [JPRS]

SUB CODE: 11, 20 / SUBM DATE: none

Card 1/1 *MS*

UDC: 536.55

STANEK, O.

GEOGRAPHY & GEOLOGY

Periodicals: KRASY SLOVENSKA. Vol. 35, No. 10, 1958, (Oct.)

STANEK, O. Between Orava and Liptov. p. 384.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959.
Unclass.

STANEK, Petr

Elastic plastic torsion. Stroj cas 13 no.3:289-296 '62.

STANEK, Petr

Dependence of shearing modulus variations on plastic deformations. Cs cas fys 13 no. 4: 332-333 '63.

1. Smeralovy zavody, Vyzkumny ustav tezkeho strojirenstvi, Brno.

STANEK, STANISLAV

"Outline of the Flora of Gottwaldov District."

Gottwaldov, Czechoslovakia, Krajske museum, 1954, 46p.

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59
Unclass

HEJMO, Wladyslaw, dr. inz.; STANEK, Stanislaw, mgr. inz.

A discrete program scheme of automation of the main drive
and the roller-table drive of the blooming-mill. Huta
Lenina prace no.10:116-121 '61.

STANEK, Stanislaw, mgr. inz.

The contactless system of the digital control of the roll
position of the blooming-mill with a perforated card program.
Huta Lenina prace no.10:122-126 '61.

STANEK, Stanislaw, mgr inz.

Digital analog systems for the automation of production processes.
Huta Lenina prace no.13:115-127 '63.

STANEK, V., inz.; SIMUNEK, V., inz.

Making the use of power economical we save coal. Nova technika no.11:
495-498 N '60.

1. Ustav technickeho dozoru, Praha.

STANEK, V., inz.; SIMUNEK, V., inz.

Contest for further saving of fuel and power presents a broad field of activities for enterprise branches of the Czechoslovak Scientific Technical Society. Tech praca 14 no.5:381-383 My '62.

1. Zavodni pobočka Československé vědecko-technické společnosti Ústavu technického dozoru, Praha.

SIMUNEK, Vaclav, inz.; STANEK, Vincenc, inz.

Initiative of workers is important for saving fuel. Energetika
Cz 12 no.6:307-308, 312 Je '62.

1. Ustav technickeho dozoru, Praha.

CUTA, F.; STANEK, V.

Photometric detection and photometric determination of low concentrations of highly unsaturated fatty acids in presence of highly saturated ones; photometric determination of iodine number of fats. Coll Cz Chem 30 no.3:702-710 Mr '65.

1. Technische Hochschule fur Chemie, Prague. Submitted March 31, 1964.

WIDIMSKY, J., Praha-Krc, Budejovicka 800; RUNCZIK, I.; VAVREJN, B.;
STANEK, V.

Determination of regional pulmonary perfusion using Xe^{133} .
Cas. lek. Cesk. 104 no.42:1154-1158 22 0 '65.

1. Izotopove oddeleni Ustavu experimentalni a klinicke chirurgie
v Praze (reditel prof. dr. B. Spacek, DrSc) a Ustav pro choroby
obehu krevniho v Praze (reditel prof. dr. J. Brod, DrSc.).

STANEK, Vaclav B., inz., dr.

Waste water channel of the water-power electric plant in
Lipno. Geod kart obzor 2 no.5:92-95 My '56.

1. Hydroprojekt, Praha.

CHAMBA, .

Service for outgoing water at the hydro-electric-power station in Lipno. Tr. from the Czech.

P. 28 (PERIODEL GLAVNOJE) Poland, Vol. 13, No. 1 Jan. 1957

See: Monthly Index of East European Accessions (AEEI) Vol. 6, No. 11, November 1957

STANEK, V.

STANEK, V. Geodetic background of dams. p. 188.

Vol. 1, No. 10, Oct. 1956.

GEODETICKY A KARTOGRAFICKY OBZOR

SCIENCE

Praha, Czechoslovakia

So: East European Accession, Vol. 6, No. 2, Feb. 1957

STANEK, V.

Elevation and situation data for the design and building of big hydraulic constructions.

P. 276 (Vodni Hospodarstvi) Vol. 5, No. 10, Oct. 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) - VOL. 7, NO. 1, JAN. 1958

STANEK, V.

Geodetic measurement of the deformations of the flood dam near Slapy.

p. 43 (Geodetický a Kartografický Sborník.) 1957. Prahz, Czechoslovakia.

SO: :Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 1 Jan 1958

STANEK, V.

SCIENCE

Periodicals: STUDIA GEOPHYSICA ET GEODAETICA. Vol. 3, no. 1, 1959

STANEK, V. Determination of the motion of an observation point by
microtriangulation when measuring the deformation of dams, In English p. 1

Monthly List of East European Accessions (EEAI) LC, Vol. 8, NO. 5,
May 1959, Unclass.

STANEK, V.

"A precision test of theodolites used for measuring deformations of dams." p. 173.

STAVEBNICKY CASOPIS. (SLOVENSKA AKADEMIA VIED). Bratislava, Czechoslovakia,
Vol. 7, no. 3, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.
Uncl.

STANEK, V., inz.; SIMUNEK, V., inz.

Small change, great savings. Nova technika no.4:169-172 Ap '60.

1. Ustav technického dozoru, Praha.

STANEK, V.B.: MARCHAK, P. (Chekhoslovakiya)

Geodetic observations on deformations of hydraulic structures in
Czhechslovakia. Geod. i kart. no.7:71-74 J1 '60. (MIRA 13:9)
(Czechoslovakia--Hydraulic structures) (Surveying)

S/035/62/000/007/064/083
A001/A101

AUTHOR: Staněk, Václav

TITLE: State symposium on the subject: "Study of deformations of constructions by geodetic methods"

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 7, 1962, 5, abstract 7019 ("Inžen..stavby", 1962, v. 10, no. 3, 115 - 116, Czech)

TEXT: This is an information on a symposium held in Bratislava on November 23 - 24, 1961.

[Abstracter's note: Complete translation]

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STANEK, Vaclev, inz., dr.

Geodetic documentation for a construction project. Geod kart obzor
8 no.12:237-238 D '62.

1. Inzenyrske a prumyslove stavby, Praha.

S/035/62/000/009/038/060
A001/A101

AUTHORS: Staněk, Václav, Marčák, Peter

TITLE:

Geodetic observations of deformations of hydrotechnical constructions in Czechoslovakia

PERIODICAL:

Referativnyy zhurnal, Astronomiya i Geodeziya, no. 9, 1962, 9, abstract 9G64 ("Geod. a kartogr. sb.", 1961, v. 7, 73 - 114, Slovakian; Russian and German summaries)

TEXT:

The authors analyze the results of deformation measurements of the main dams of Czechoslovakia. They present the schemes of triangulation and leveling networks, the graphs of setting and registers of plan displacements and level-
vations were employed: the range method, trigonometric determination of horizontal and vertical displacements, and high-precision leveling. Moreover, inclination was measured at individual sections of dams with clinometers and pendulums. The Orava dam (length 300 m, height 35 m) was constructed on Carpathian flysches; its setting was 4 cm, and general horizontal displacement of its foundation amounted to 7 mm. The rms error of an elevation measured at a station in forward and backward directions is equal to ± 0.05 mm. The error in measuring the horizontal displacement

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are of importance: the shape of the

STANEK, Vaclav, inz., dr.; KRUMPHANZL, Vaclav, prof., inz. dr.

Examination of periodic short-lasting movements of concrete gravity dams. Geod kart sbor 9:77-90 '63.

1. IPS, Praha (for Stanek). 2. Ceske vysoke uceni technicke, Praha (for Krumphanzl).

MARCAK, Peter; STANEK, Vaclav B.

"Geodetic measurement of movements and its use in the building industry" by Tadeusz Lazzarini. Reviewed by Peter Marcak and Vaclav B. Stanek. Geod kart obzor 9 no.1:27-28 Ja '63.

STANEK, Vaclav, inz. dr.

Measurement of the shifting terrain movement. Inz stavby 11 no.8:
293-294 Ag '63.

1. Inzenyrské a průmyslové stavby Praha.

KRUMPHANZL, V., prof. inz. dr.; KOLLAR, K., inz.; KRIZEK, J., inz.;
SCHANKA, J., inz.; STANEK, V., inz. dr.; SIMEK, J., inz.; SLEGR, A.,
inz.

Surveyor's role in capital constructions. Geod kart obzor 10
no.9/10:235-239 0 '64

Epidemiology

CZECHOSLOVAKIA

UDC 616.233-002.2-036.22

STANEK, V.; FODOR, J.; HEJL, Z.; SANTRUCEK, M.; WIDIMSKY, J.; ZAJIC, F.; Institute for Blood Circulation Diseases (Ustav pro Choroby Obehu Krevniho), Prague - Krc, Director (Reditel) Prof Dr J. BROD.

"Contribution to the Epidemiology of Chronic Bronchitis."

Prague, Casopis Lekarů Ceskych, Vol 105, No 26, 24 Jun 66, pp 689 - 695

Abstract [Authors' English summary modified]: The method of a standard questionnaire was used to determine the prevalence of chronic bronchitis in men aged 60-64 years living in the district of Prague 2. A sample of 443 men was selected for X-ray and clinical examination. "Chronic bronchitis" was detected in 27.6% of the examined men. The incidence was clearly related to smoking. The socially weaker men, and those performing strenuous, physical work also showed a higher incidence, being heavier smokers at the same time. The relationship between pulmonary infection and the epidemiological diagnosis of chronic bronchitis is discussed. 4 Figures, 6 Tables, 34 Western, 7 Czech references. (Manuscript received Nov 65).

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Nuclear Medicine

CZECHOSLOVAKIA UDC 616.24-031.82-008.4-072.7-073.916:546.295.02

WIDIMSKY, J.; OPPELT, A.; STANEK, V.; BLAHA, V.; RUNCZIK, I.;
Research Institute for Radioisotope Application in Medicine (Vyz-
kumny Ustav pro Vyuziti Radioisotopu v Lekarstvi) Prague - Krc,
Director (Reditel) Dr B. VAVREJN; Research Institute for Blood
Circulation Diseases (Ustav pro Choroby Obohu Krevniho), Direc-
tor (Reditel) Prof Dr J. BROD.

"Examination of the Regional Pulmonary Ventilation by Means of
Radioactive Xenon¹³³."

Prague, Casopis Lekaru Ceskych, Vol 105, No 26, 24 Jun 66, pp
695 - 698

Abstract [Authors' English summary modified]: A method for the
determination of regional pulmonary ventilation using radioac-
tive Xenon¹³³ is described. In 14 subjects with a normal heart
and lungs the regional ventilation of the left upper and right
lower pulmonary area was examined. In 11 subjects the examina-
tion was made in a sitting and in a recumbent position. The ven-
tilation of the upper portions of the lungs in the sitting posi-
tion is worse than of the lower parts; in the recumbent position
the difference disappears. 6 Figures, 1 Table, 7 Western, 1
1/1 Czech reference. (Ms. rec. Nov 65).

STANEK, W.

Remarks on the exactitude of surveying methods applied to checking deformations of
dams. TR. from the Russian. p. 377

PRZEGLIAD GEODEZYJNYM. (Stowarzyszenie Naukowe-Techniczne Geodetow Polskich)
Warszawa. Vol. 15, no. 10, October 1959

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

STANEK, W.

Remarks on the exactitude of surveying methods applied to checking deformations of dams. Tr. from Czech. p. 380

PRZEGŁAD GEODEZYJNY. (Stowarzyszenie Naukowe-Techniczne Geodetów Polskich)
Warszawa. Vol. 15, no. 10, October 1959

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

STANEK, Zdenek; LUKL, Jaroslav

Interstitial pneumonia with formation of gas bullae in gas phlegmons.
Cesk. rentg. 11 no.4:252-255 Dec 57.

1. Rtg oddeleni vojenske nemocnice v Brne.

(PNEUMONIA, INTERSTITIAL PLASMA CELL, complications,

gas gangrene with gas bullae (Cz))

(LUNGS, gangrene,

gas gangrene with gas bullae in interstitial plasma cell
pneumonia (Cz))

(GAS GANGRENE,

lung, in interstitial plasma cell pneumonia, with gas
bullae (Cz))

L 23394-66 EWP(k)/EWT(m)/EWP(t) IJP(c) JD

ACC NR: AP6000637

SOURCE CODE: UR/0407/65/000/001/0047/0048

AUTHOR: Stanek, Y. (Novoye Mesto nad Vagom); Heng, Siy Ing (Novoye Mesto nad Vagom);
Zubak, Y. (Novoye Mesto nad Vagom); Zhukha, Y. (Novoye Mesto nad Vagom)

ORG: VUMA Institute, Czechoslovakia (VUMA Institut)

TITLE: Electrochemical grinding of metal-ceramic alloys

SOURCE: Elektronnaya obrabotka materialov, no. 1, 1965, 47-48

TOPIC TAGS: electrochemical grinding, metal ceramic material

ABSTRACT: These experimental results of electrochemical grinding of cutting tools and dies are briefly reported: (1) Both outer and inner surfaces can be ground by the electrochemical method; (2) As the process is "cold," no defective layer is formed on the surface; (3) With a current density of 50 amp/cm², the productivity is 60 mm³/min, the roughness of the resulting surface being 0.4 μ; (4) The attainable error is ± 0.03 mm; (5) The nonhardened-steel grinding wheel wear is 0.1 mm after the grinding of 20 pieces; (6) The cost of electrochemical grinding is one-half the cost of abrasive grinding. Orig. art. has: 2 figures.

SUB CODE: 13 / SUBM DATE: none

Cord 1/1-10

STANEK, Z.

Colored fog of black-white photographic emulsions.
Reaction of gelatine with quinone. Z. Stanek. Chem.
průmysl 6, 312-15 (1950).—The reaction of amino acids and
some photographic gelatins with quinone was studied by
means of polarography. Similarly to amino acids, the
photographic gelatins form colored adducts with quinone,
the diffusion coeffs. of which, compared with the amino
acids, are very small. The discoloration is also aided by
the so-called degradation products of gelatin caused by the
reaction with the oxidation products of quinoid-type de-
velopers. This seems to be confirmed by the identical
courses of extinction curves for slowly developed photo-
graphic plates and for the quinone-gelatin soln., as well as
the fact that colored fog does not appear when developing
with ferro-oxalate developer. L. A. Helwich

CZECHOSLOVAKIA/Chemical Technology -

H-20

Abs Jour : Ref Zhur - Khimiya, No 24, 1958, 82881

Author : Stanek, Z.

Inst : -

Title : The Effect of a Treatment Upon [the Formation of a]
Colored Screen on Black-White Photographic Layers.

Orig Pub : Chem. promysl, 1957, 7, No 12, 637-641.

Abstract : The effect of a treatment upon the formation of a colored screen on black-white photographic materials was investigated. The effect of the nature and concentration of the developing agent, its temperatures, Na_2SO_3 concentrations, PER [sic], and the pH of the developing agent was studied. The effect of fixing was investigated on the silver halide layers. The formation of a colored screen is affected, in addition to the mentioned factors, by the quality of the gelatine and conditions under which the emulsion has been prepared. The results of the experiments are expressed graphically.

Card 1/1

STANEK, ZDENEK

✓ The modification of photographic gelatin by ion exchangers and its effect on the origin of color fog in sensitive layers. Zdeněk Staněk (Karlůva Univ., Prague). Chem. průmysl 10, 419-21(1960).—The gelatin soln. buffered at pH 6.3 was stirred with the ion exchanger for 15 min. at 40°. Amberlite IRC-50, IRA-400, and IR-4B, resp., were used. The AgBr emulsions were then prepd. from the modified gelatin; samples were developed in a Metol-hydroquinone developer and fixed. The extinction curves were measured on samples which were left 60 min. for 2nd ripening. The dependence of the fog intensity on the time of 2nd ripening was studied at the wave length of max. extinction. The change in the content of active substances was detd. by the nephelometric method of Ammann-Brass (Kolloid Z. 110, 105(1948)). The photographically active constituents of gelatin did not affect the formation of color fog and centers of color fog did not arise during the 2nd ripening. Paper chromatography showed that basic peptides were adsorbed on the cation exchanger and amino acids (aspartic acid, serine, glycine, alanine, and valine) on the anion exchanger. 2-Mercaptobenzothiazole stabilizer retarded the formation of color fog, but did not eliminate it. P. Čerňin

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67K

LIBICKY, A.; STANEK, Z.

Developing process and photometric equivalent of photographic layers.
Coll Cz Chem 25 no.11:2807-2813 N '60. (EEAI 10:6)

1. Jetzige Adresse: Bezirkskrankenhaus Usti n. Labem (for Libicky).
2. Institut fur physikalische Chemie, Karlsuniversitat, Prag (for Stanek).
(Photography)

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Colored mist in black-white photographic layers. Chem prum 13
no.9:471-472 S '63.

1. Karlova universita, Praha.

Brno, 1. 11. 1965; diplom. MDr.

Examinace s arteriografií dolních končetin za pomoci
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no. 3: 7-129. Je 165.

1. Rentgenologické oddělení, vojenské nemocnice v Brně (náměstek:
Mk. MDr. Jaroslav Běláček).

L 30940-66

ACC NR: AP0021137

SOURCE CODE: CZ/0060/65/000/004/0170/0173

AUTHOR: Stanek, Zdenek (Lt. colonel; Doctor of medicine)

ORG: Roentgenology Department /headed by Lt. colonel, Doctor of medicine Jaroslav Lukl/, Military Hospital, Brno (Rentgenologicke oddeleni vojenske nemocnice)

TITLE: Vascular malformation of the pulmonary circulation and the importance of tomographic diagnosis

SOURCE: Vojenske zdravotnicke listy, no. 4, 1965, 170-173

TOPIC TAGS: cardiovascular system, blood circulation, x ray investigation, diagnostic medicine

ABSTRACT: The importance of tomographic examination in vascular malformations of the pulmonary circulation is discussed; its correct evaluation is of differential-diagnostic importance. The result of the tomographic examination depends on a technically correct interpretation of the tomograms. Three groups of malformations are discussed. The method of x-ray diagnosis is documented by the author's personal observations. Orig. art. has: 11 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 005

Card 1/1 CC

UDC: 616.131-007.1-073.756.8

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2. "The Hyperbola of Engineer Gerdin," T. J. ENGINEER, ENR; pp 6-8.
3. "Impenetrable Replication of Plates," Cont Inst. P. RICH, School of Chemical Science (Academy de Sciences Paris); pp 10-11.
4. "Beyond the Milky Way," T.H. LEWIS, ENR; pp 12-13.
5. "The Ancient Secretment of Indomitable," PROF VILKIN PRINCIPAL, Institute of the Scientific (London A1 Festival de Arts); pp 14-15.
6. "Galileo's Discovery of Element II," P. SIKHINDI; pp 15-16.
7. "The Eye and the Light," Conf Dr W. LIND; pp 19.
8. "Combines for the Construction of House," Mrs. ANNA-VERONICA ENR; pp 21-22.
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Results of labor and science. St al Teh Buc 14 no.2:34-35 F '62.

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Utilization of the analogue machine for the automation of chemical processes in the Nitrogen Works in Tarnow. Przem chem 41 no.6: 333-334 Je '62.

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(Ministerul Constructiilor si Industrii Materialelor de Constructii si
Unirea Sindicatelor de Salariati din Intreprinderile de Constructii) Bucuresti.
Vol. 8, no. 348, Sept. 1956.

SOURCE: East European Accessions List, (EEAL), Library of Congress,
Vol. 5, No. 11, November, 1956.

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Influence of the mechanical preparation of limestone on the functioning of blast furnaces.

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1. Lucrare efectuata in Sectia clinica a Institutului de neurologie al Academiei Republicii Populare Romine si Clinica de neurochirurgie "Prof. D. Bagdasar", Bucuresti.

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1. Lucrare efectuata in Clinica de stomatologie ortopedica
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1. Institutul de cercetari ~~si~~ prelucrare a petrolului.

Country	: ROMANIA	H-28
Category	: Chemical technology. Food Industry	
Abs. Jour	: Ref Zhur-Khimiya, No 14, 1959, No 51518	
Author	: <u>Stanescu, C.</u>	
Institute	: -	
Title	: Quality Improvement of Fruit Juices and Concentrates	
Orig Pub.	: Rev. gosnod. agric. stst, 1958, No 10, 19-22	
Abstract	: No abstract.	

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Abst Journal: Referat, Zhur - Fizika, No 12, 1956, 36004

Author: Stanescu, Const. D.

Institution: None

Title: Third International Geophysical Year

Original

Periodical: Gaz. mat. si fiz., 1956, A8, No 4, 212-216; Rumanian

Abstract: Report on the problems of the International Geophysical Year.
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gives some information on the Soviet antarctic expedition.

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'62. (publ. '63)

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Accidents."

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Theory of subsonic movements with an almost rectilinear track. p. 259.

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Peraduanu, R. and C. Stanescu.
Gen. L. Boghicescu and O. Stanescu.
Stud. Cerc. Mat. Appl., Jan-Mar, 1981,
pp. 111-114. In Romanian. Study of
the torsion of a nonhomogeneous cylindrical
rod.

STANESCU, C.

"Calculation of thin elastic coverings having small curvature and orthotropic material"

p. 1029 (Comunicarile, Vol. 7, No. 12, Dec. 1957, Bucharest, Rumania)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1,
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STANESCU, C., Dumitrescu, L.

Torsion of a cylindrical nonhomogeneous bar. p. 111.
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Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957,
Uncl.

STANESCU, C.; VISARION V.

A method for computing cylincrical envelopes of a circular section with ortho-
tropy of material. p. 1173.

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Vol. 9, no. 2, 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

RUMANIA/Chemical Technology. Chemical Products
and Their Applications. Chemical Pro-
cessing of Natural Gases and Petroleum.
Motor and Rocket Fuels. Lubricants.

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Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 20964

Author : Ulcenco, N.; Maris, I.; Frenkel M.;
Stanescu, C., Dragutan, V.

Inst :
Title : Comparative Tests of 413, 312 and State
Specification-5304 Oils on KD-35 Tractor
Engines.

Orig Pub : An Inst. cercetari mecaniz. si electrif.
agric., 1958, 2, 164-178

Abstract : Oil (O) tests were conducted on KD-35
engines: bench-test idling for 1000 hours
and use for 1600 hours. The hard-to-get

Card : 1/2

STANESCU, C.; VISARICA, V.

Extension of static-geometric analogy to thin elastic shells with anisotropy
of material. p.829

STUDII SI CERCETARI DE MECANICA APLICATA. Academia Republicii Populare Romine
Bucuresti, Rumania
Vol. 10, no.3, 1959

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Uncl.

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A/008/60/000/005/007/014
A231/A126

AUTHORS: Visarion, V., and Stănescu, C.

TITLE: On the formal reduction of the state of over-all stress of thin elastic shells to the state of pure "quasi-invariable" moments

PERIODICAL: Studii și Cercetări de Mecanică Aplicată, no. 5, 1960, 1195-1199

TEXT: In a previous paper the same authors (Ref. 1: V. Visarion, C. Stănescu, Teoria cvasiinvariantilor analogiei statico-geometrice pentru învelișurile anizotrope, P. M. M. Moscova, sub tipar) have introduced the "quasi-invariable" concept for shells of non-isotropic material and have shown the existence of a complex quasi-invariable expression for equations of the theory of thin shells and boundary conditions. The system of equilibrium equations in forces and moments, and the equations of the distortion continuity are comprised in a system

$$\frac{\partial}{\partial \alpha} (B \bar{\eta}_a) + \frac{\partial A}{\partial \beta} \bar{\eta}_{as} - \frac{\partial}{\partial \beta} (A \bar{\eta}_{sa}) - \frac{\partial B}{\partial \alpha} \bar{\eta}_s - AB \left(\frac{\bar{Q}_a}{R_1} - \frac{\bar{Q}_s}{R_{12}} \right) = 0;$$

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